

CLAIMS:

1. A system for signal communication, comprising:
a first earpiece comprising a first Bluetooth transceiver T1, the transceiver T1 adapted to receive a first audio signal transmitted wirelessly from a Bluetooth transceiver T over a first channel, the first audio signal being transmitted by the transceiver T and received by the transceiver T1 in accordance with prevailing Bluetooth standards, the first earpiece adapted to fit within or behind a first ear of a person in a manner that is sufficient for the person to hear the first audio signal; and
a second earpiece comprising a second Bluetooth transceiver T2, the transceiver T2 adapted to receive a second audio signal transmitted wirelessly from the transceiver T over a second channel, the second audio signal being transmitted by the transceiver T and received by the transceiver T2 in accordance with prevailing Bluetooth standards, the second earpiece adapted to fit within or behind a second ear of the person in a manner that is sufficient for the person to hear the second audio signal, the combination of the first audio signal and the second audio signal being a stereo signal, the first earpiece and the second earpiece not being mechanically connected to each other by a headset or by any mechanical device that is adapted to fit on the head of the person.
2. The system of claim 1, wherein the first earpiece and the second earpiece are not mechanically connected to each other by any mechanical device.
3. The system of claim 1, wherein the first earpiece and the second earpiece are each adapted to fit within the concha bowl of the first ear and the second ear, respectively.
4. The system of claim 1, wherein the first earpiece and the second earpiece are each adapted to fit in the canal, but not wholly within the concha bowl, of the first ear and the second ear, respectively, such that the first and second earpieces are primarily visible to an ordinary observer of the first ear and the second ear.
5. The system of claim 1, wherein the first earpiece and the second earpiece are each adapted to essentially fit in the canal of the first ear and the second ear, respectively, such

that the first and second earpieces are primarily not visible to an ordinary observer of the first ear and the second ear.

6. The system of claim 1, wherein the first earpiece and the second earpiece are each adapted to fit behind the first ear and the second ear, respectively.

7. The system of claim 1, wherein the first and second earpieces are not adapted to facilitate transmission of voice vibrations of the person to the transceiver T.

8. The system of claim 1, wherein the first audio signal and the second audio signal are a first stereo component and a second stereo component, respectively, of a musical signal.

9. The system of claim 1, wherein the first audio signal is adapted to be transmitted by the transceiver T to the transceiver T1 at a power not exceeding about 1 milliwatt, and wherein the second audio signal is adapted to be transmitted by the transceiver T to the transceiver T2 at a power not exceeding about 1 milliwatt.

10. The system of claim 1, wherein a range of the first audio signal as transmitted by the transceiver T does not exceed about 10 meters, and wherein a range of the second audio signal as transmitted by the transceiver T does not exceed about 10 meters.

11. The system of claim 1, wherein the first audio signal and the second audio signal are generated by a source device electrically coupled to the transceiver T.

12. The system of claim 11, wherein the source device is a compact disc(CD) player, a cassette tape player, or a Moving Picture Experts Group Audio Layer 3 (MP3) player.

13. The system of claim 11, wherein the transceiver T is comprised by a semiconductor chip internally disposed within the source device.

14. The system of claim 11, wherein the transceiver T is disposed external to the source device and is electrically connected to the source device through a line output channel of the source device.

15. The system of claim 1, wherein the first audio signal and the second audio signal are generated by a source device electrically coupled to a Bluetooth transceiver TS through wiring, the transceiver TS adapted to wirelessly transmit the first and second audio signals over different channels to the transceiver T in accordance with prevailing Bluetooth standards, the transceiver T being a repeater transceiver for the first audio signal and the second audio signal.

16. The system of claim 15, wherein the source device is a compact disc(CD) player, a cassette tape player, or a Moving Picture Experts Group Audio Layer 3 (MP3) player.

17. The system of claim 15, wherein the transceiver T is comprised by a semiconductor chip internally disposed within the source device.

18. The system of claim 15, wherein the transceiver T is disposed external to the source device and is electrically connected to the source device through a line-out port of the source device.

19. The system of claim 15, wherein the first audio signal is adapted to be transmitted by the transceiver TS to the transceiver T at a power not exceeding about 1 milliwatt, and wherein the second audio signal is adapted to be transmitted by the transceiver TS to the transceiver T at a power not exceeding about 1 milliwatt.

20. The system of claim 15, wherein a range of the first audio signal as transmitted by the transceiver TS does not exceed about 10 meters, and wherein a range of the second audio signal as transmitted by the transceiver TS does not exceed about 10 meters.

21. A method for signal communication, comprising:
wirelessly receiving, by a first Bluetooth transceiver T1, a first audio signal transmitted by a Bluetooth transceiver T over a first channel, the first audio signal being transmitted by

the transceiver T and received by the transceiver T1 in accordance with prevailing Bluetooth standards, the transceiver T being comprised by a first earpiece fitted within or behind a first ear of a person in a manner that is sufficient for the person to hear the first audio signal; and

wirelessly receiving, by a second Bluetooth transceiver T2, a second audio signal transmitted by the transceiver T over a second channel, the second audio signal being transmitted by the transceiver T and received by the transceiver T2 in accordance with prevailing Bluetooth standards, the Bluetooth transceiver T being comprised by a second earpiece fitted within or behind a second ear of the person in a manner that is sufficient for the person to hear the second audio signal, the combination of the first audio signal and the second audio signal being a stereo signal, the first earpiece and the second earpiece not being mechanically connected to each other by a headset or by any mechanical device that is adapted to fit on the head of the person.

22. The method of claim 21, wherein the first earpiece and the second earpiece are not mechanically connected to each other by any mechanical device.

23. The method of claim 21, wherein the first earpiece and the second earpiece are each adapted fitted within the concha bowl of the first ear and the second ear, respectively.

24. The method of claim 21, wherein the first earpiece and the second earpiece are each fitted in the canal, but not wholly within the concha bowl, of the first ear and the second ear, respectively, and wherein the first and second earpieces are primarily visible to an ordinary observer of the first ear and the second ear.

25. The method of claim 21, wherein the first earpiece and the second earpiece are fitted in the canal of the first ear and the second ear, respectively, and wherein the first and second earpieces are primarily not visible to an ordinary observer of the first ear and the second ear.

26. The method of claim 21, wherein the first earpiece and the second earpiece are each fitted behind the first ear and the second ear, respectively.

27. The method of claim 21, wherein the first and second earpieces are not adapted to facilitate transmission of voice vibrations of the person to the transceiver T.
28. The method of claim 21, wherein the first audio signal and the second audio signal are a first stereo component and a second stereo component, respectively, of a musical signal.
29. The method of claim 21, wherein the first audio signal is transmitted by the transceiver T to the transceiver T1 at a power not exceeding about 1 milliwatt, and wherein the second audio signal is transmitted by the transceiver T to the transceiver T2 at a power not exceeding about 1 milliwatt.
30. The method of claim 21, wherein a range of the first audio signal as transmitted by the transceiver T does not exceed about 10 meters, and wherein a range of the second audio signal as transmitted by the transceiver T does not exceed about 10 meters.
31. The method of claim 21, wherein a source device is electrically coupled to the transceiver T by wiring, and wherein the first audio signal and the second audio signal are generated by the source device.
32. The method of claim 31, wherein the source device is a compact disc(CD) player, a cassette tape player, or a Moving Picture Experts Group Audio Layer 3 (MP3) player.
33. The method of claim 31, wherein the transceiver T is comprised by a semiconductor chip internally disposed within the source device.
34. The method of claim 31, wherein the transceiver T is disposed external to the source device and is electrically connected to the source device through a line output channel of the source device.
35. The method of claim 21, wherein the first audio signal and the second audio signal are generated by a source device electrically coupled to a Bluetooth transceiver TS through wiring, and wherein the first and second audio signals are wirelessly transmitted by the transceiver TS over different channels to the transceiver T in accordance with prevailing

Bluetooth standards, the transceiver T being a repeater transceiver for the first audio signal and the second audio signal.

36. The method of claim 35, wherein the source device is a compact disc(CD) player, a cassette tape player, or a Moving Picture Experts Group Audio Layer 3 (MP3) player.

37. The method of claim 35, wherein the transceiver T is comprised by a semiconductor chip internally disposed within the source device.

38. The method of claim 35, wherein the transceiver T is disposed external to the source device and is electrically connected to the source device through a line-out port of the source device.

39. The method of claim 35, wherein the first audio signal is transmitted by the transceiver TS at a power not exceeding about 1 milliwatt, and wherein the second audio signal is transmitted by the transceiver TS at a power not exceeding about 1 milliwatt.

40. The method of claim 35, wherein a range of the first audio signal as transmitted by the transceiver TS to the transceiver T does not exceed about 10 meters, and wherein a range of the second audio signal as transmitted by the transceiver TS to the transceiver T does not exceed about 10 meters.